

## **Management Occupations**

### **Top Executives**

11-1011	Chief Executives
11-1021	General and Operations Managers
11-1031	Legislators

### **Advertising, Marketing, Promotions, Public Relations, and Sales Managers**

11-2011	Advertising and Promotions Managers
11-2021	Marketing Managers
11-2022	Sales Managers
11-2031	Public Relations Managers

### **Operations Specialties Managers**

11-3011	Administrative Services Managers
11-3021	Computer and Information Systems Managers
11-3031	Financial Managers
11-3041	Compensation and Benefits Managers
11-3042	Training and Development Managers
11-3049	Human Resources Managers, All Other
11-3051	Industrial Production Managers
11-3061	Purchasing Managers
11-3071	Transportation, Storage, and Distribution Managers

### **Other Management Occupations**

11-9011	Farm, Ranch, and Other Agricultural Managers
11-9012	Farmers and Ranchers
11-9021	Construction Managers
11-9031	Education Administrators, Preschool and Child Care Center/Program
11-9032	Education Administrators, Elementary and Secondary School
11-9033	Education Administrators, Postsecondary
11-9039	Education Administrators, All Other
11-9041	Engineering Managers
11-9051	Food Service Managers
11-9061	Funeral Directors
11-9071	Gaming Managers
11-9081	Lodging Managers
11-9111	Medical and Health Services Managers
11-9121	Natural Sciences Managers
11-9131	Postmasters and Mail Superintendents
11-9141	Property, Real Estate, and Community Association Managers
11-9151	Social and Community Service Managers
11-9199	Managers, All Other
11-9999	New occupation - Insert title here

## **Business and Financial Operations Occupations**

### **Business Operations Specialists**

13-1011	Agents and Business Managers of Artists, Performers, and Athletes
13-1021	Purchasing Agents and Buyers, Farm Products
13-1022	Wholesale and Retail Buyers, Except Farm Products
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products
13-1031	Claims Adjusters, Examiners, and Investigators
13-1032	Insurance Appraisers, Auto Damage
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation
13-1051	Cost Estimators
13-1061	Emergency Management Specialists
13-1071	Employment, Recruitment, and Placement Specialists
13-1072	Compensation, Benefits, and Job Analysis Specialists
13-1073	Training and Development Specialists
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other
13-1081	Logisticians
13-1111	Management Analysts
13-1121	Meeting and Convention Planners
13-1199	Business Operations Specialists, All Other

### **Financial Specialists**

13-2011	Accountants and Auditors
13-2021	Appraisers and Assessors of Real Estate
13-2031	Budget Analysts
13-2041	Credit Analysts
13-2051	Financial Analysts
13-2052	Personal Financial Advisors
13-2053	Insurance Underwriters
13-2061	Financial Examiners
13-2071	Loan Counselors
13-2072	Loan Officers
13-2081	Tax Examiners, Collectors, and Revenue Agents
13-2082	Tax Preparers
13-2099	Financial Specialists, All Other

## **Computer and Mathematical Occupations**

### **Computer Specialists**

15-1011	Computer and Information Scientists, Research
15-1021	Computer Programmers
15-1022	Computer Programmers, Non R&D
15-1023	Computer Programmers, R&D
15-1031	Computer Software Engineers, Applications
15-1032	Computer Software Engineers, Systems Software
15-1034	Computer Software Engineers, Applications, Non-R&D
15-1035	Computer Software Engineers, Applications, R&D

15-1036	Computer Software Engineers, Systems Software, Non-R&D
15-1037	Computer Software Engineers, Systems Software, R&D
15-1041	Computer Support Specialists
15-1051	Computer Systems Analysts
15-1052	Computer Systems Analysts, Non R&D
15-1053	Computer Systems Analysts, R&D
15-1061	Database Administrators
15-1071	Network and Computer Systems Administrators
15-1081	Network Systems and Data Communications Analysts
15-1099	Computer Specialists, All Other

## Mathematical Science Occupations

15-2011	Actuaries
15-2021	Mathematicians
15-2031	Operations Research Analysts
15-2041	Statisticians
15-2091	Mathematical Technicians
15-2099	Mathematical Science Occupations, All Other

## Architecture and Engineering Occupations

### Architects, Surveyors, and Cartographers

17-1011	Architects, Except Landscape and Naval
17-1012	Landscape Architects
17-1021	Cartographers and Photogrammetrists
17-1022	Surveyors

### Engineers

17-2011	Aerospace Engineers
17-2021	Agricultural Engineers
17-2031	Biomedical Engineers
17-2041	Chemical Engineers
17-2051	Civil Engineers
17-2052	Civil Engineers, Non-R&D
17-2053	Civil Engineers, R&D
17-2061	Computer Hardware Engineers
17-2062	Computer Hardware Engineers, Non-R&D
17-2063	Computer Hardware Engineers, R&D
17-2071	Electrical Engineers
17-2072	Electronics Engineers, Except Computer
17-2073	Electrical Engineers, Non-R&D
17-2074	Electrical Engineers, R&D
17-2075	Electronics Engineers, Except Computer, Non-R&D
17-2076	Electronics Engineers, Except Computer, R&D
17-2081	Environmental Engineers
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors
17-2112	Industrial Engineers
17-2121	Marine Engineers and Naval Architects

17-2131	Materials Engineers
17-2141	Mechanical Engineers
17-2143	Mechanical Engineers, Non-R&D
17-2144	Mechanical Engineers, R&D
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers
17-2161	Nuclear Engineers
17-2171	Petroleum Engineers
17-2199	Engineers, All Other

### Drafters, Engineering, and Mapping Technicians

17-3011	Architectural and Civil Drafters
17-3012	Electrical and Electronics Drafters
17-3013	Mechanical Drafters
17-3019	Drafters, All Other
17-3021	Aerospace Engineering and Operations Technicians
17-3022	Civil Engineering Technicians
17-3023	Electrical and Electronic Engineering Technicians
17-3024	Electro-Mechanical Technicians
17-3025	Environmental Engineering Technicians
17-3026	Industrial Engineering Technicians
17-3027	Mechanical Engineering Technicians
17-3029	Engineering Technicians, Except Drafters, All Other
17-3031	Surveying and Mapping Technicians

## Life, Physical, and Social Science Occupations

### Life Scientists

19-1011	Animal Scientists
19-1012	Food Scientists and Technologists
19-1013	Soil and Plant Scientists
19-1021	Biochemists and Biophysicists
19-1022	Microbiologists
19-1023	Zoologists and Wildlife Biologists
19-1029	Biological Scientists, All Other
19-1031	Conservation Scientists
19-1032	Foresters
19-1041	Epidemiologists
19-1042	Medical Scientists, Except Epidemiologists
19-1099	Life Scientists, All Other

### Physical Scientists

19-2011	Astronomers
19-2012	Physicists
19-2021	Atmospheric and Space Scientists
19-2031	Chemists
19-2032	Materials Scientists
19-2041	Environmental Scientists and Specialists, Including Health
19-2042	Geoscientists, Except Hydrologists and Geographers

19-2043 Hydrologists  
19-2044 Environmental Scientists and Specialists, Including Health, Non-R&D  
19-2045 Environmental Scientists and Specialists, Including Health, R&D  
19-2099 Physical Scientists, All Other

## Social Scientists and Related Workers

19-3011 Economists  
19-3021 Market Research Analysts  
19-3022 Survey Researchers  
19-3031 Clinical, Counseling, and School Psychologists  
19-3032 Industrial-Organizational Psychologists  
19-3036 Clinical, Counseling, and School Psychologists, Non R&D  
19-3037 Clinical, Counseling, and School Psychologists, R&D  
19-3039 Psychologists, All Other  
19-3041 Sociologists  
19-3051 Urban and Regional Planners  
19-3091 Anthropologists and Archeologists  
19-3092 Geographers  
19-3093 Historians  
19-3094 Political Scientists  
19-3099 Social Scientists and Related Workers, All Other

## Life, Physical, and Social Science Technicians

19-4011 Agricultural and Food Science Technicians  
19-4021 Biological Technicians  
19-4031 Chemical Technicians  
19-4041 Geological and Petroleum Technicians  
19-4051 Nuclear Technicians  
19-4061 Social Science Research Assistants  
19-4091 Environmental Science and Protection Technicians, Including Health  
19-4092 Forensic Science Technicians  
19-4093 Forest and Conservation Technicians  
19-4099 Life, Physical, and Social Science Technicians, All Other

## Community and Social Services Occupations

### Counselors, Social Workers, and Other Community and Social Service Specialists

21-1011 Substance Abuse and Behavioral Disorder Counselors  
21-1012 Educational, Vocational, and School Counselors  
21-1013 Marriage and Family Therapists  
21-1014 Mental Health Counselors  
21-1015 Rehabilitation Counselors  
21-1019 Counselors, All Other  
21-1021 Child, Family, and School Social Workers  
21-1022 Medical and Public Health Social Workers  
21-1023 Mental Health and Substance Abuse Social Workers  
21-1029 Social Workers, All Other

21-1091 Health Educators  
21-1092 Probation Officers and Correctional Treatment Specialists  
21-1093 Social and Human Service Assistants  
21-1099 Community and Social Service Specialists, All Other

### Religious Workers

21-2011 Clergy  
21-2021 Directors, Religious Activities and Education  
21-2099 Religious Workers, All Other

## Legal Occupations

### Lawyers, Judges, and Related Workers

23-1011 Lawyers  
23-1021 Administrative Law Judges, Adjudicators, and Hearing Officers  
23-1022 Arbitrators, Mediators, and Conciliators  
23-1023 Judges, Magistrate Judges, and Magistrates

### Legal Support Workers

23-2011 Paralegals and Legal Assistants  
23-2091 Court Reporters  
23-2092 Law Clerks  
23-2093 Title Examiners, Abstractors, and Searchers  
23-2099 Legal Support Workers, All Other

## Education, Training, and Library Occupations

### Postsecondary Teachers

25-1011 Business Teachers, Postsecondary  
25-1021 Computer Science Teachers, Postsecondary  
25-1022 Mathematical Science Teachers, Postsecondary  
25-1031 Architecture Teachers, Postsecondary  
25-1032 Engineering Teachers, Postsecondary  
25-1041 Agricultural Sciences Teachers, Postsecondary  
25-1042 Biological Science Teachers, Postsecondary  
25-1043 Forestry and Conservation Science Teachers, Postsecondary  
25-1051 Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary  
25-1052 Chemistry Teachers, Postsecondary  
25-1053 Environmental Science Teachers, Postsecondary  
25-1054 Physics Teachers, Postsecondary  
25-1061 Anthropology and Archeology Teachers, Postsecondary  
25-1062 Area, Ethnic, and Cultural Studies Teachers, Postsecondary  
25-1063 Economics Teachers, Postsecondary  
25-1064 Geography Teachers, Postsecondary  
25-1065 Political Science Teachers, Postsecondary  
25-1066 Psychology Teachers, Postsecondary

- 25-1067 Sociology Teachers, Postsecondary
- 25-1069 Social Sciences Teachers, Postsecondary, All Other
- 25-1071 Health Specialties Teachers, Postsecondary
- 25-1072 Nursing Instructors and Teachers, Postsecondary
- 25-1081 Education Teachers, Postsecondary
- 25-1082 Library Science Teachers, Postsecondary
- 25-1111 Criminal Justice and Law Enforcement Teachers, Postsecondary
- 25-1112 Law Teachers, Postsecondary
- 25-1113 Social Work Teachers, Postsecondary
- 25-1121 Art, Drama, and Music Teachers, Postsecondary
- 25-1122 Communications Teachers, Postsecondary
- 25-1123 English Language and Literature Teachers, Postsecondary
- 25-1124 Foreign Language and Literature Teachers, Postsecondary
- 25-1125 History Teachers, Postsecondary
- 25-1126 Philosophy and Religion Teachers, Postsecondary
- 25-1191 Graduate Teaching Assistants
- 25-1192 Home Economics Teachers, Postsecondary
- 25-1193 Recreation and Fitness Studies Teachers, Postsecondary
- 25-1194 Vocational Education Teachers, Postsecondary
- 25-1199 Postsecondary Teachers, All Other

### Primary, Secondary, and Special Education School Teachers

- 25-2011 Preschool Teachers, Except Special Education
- 25-2012 Kindergarten Teachers, Except Special Education
- 25-2021 Elementary School Teachers, Except Special Education
- 25-2022 Middle School Teachers, Except Special and Vocational Education
- 25-2023 Vocational Education Teachers, Middle School
- 25-2031 Secondary School Teachers, Except Special and Vocational Education
- 25-2032 Vocational Education Teachers, Secondary School
- 25-2041 Special Education Teachers, Preschool, Kindergarten, and Elementary School
- 25-2042 Special Education Teachers, Middle School
- 25-2043 Special Education Teachers, Secondary School

### Other Teachers and Instructors

- 25-3011 Adult Literacy, Remedial Education, and GED Teachers and Instructors
- 25-3021 Self-Enrichment Education Teachers
- 25-3099 Teachers and Instructors, All Other

### Librarians, Curators, and Archivists

- 25-4011 Archivists
- 25-4012 Curators
- 25-4013 Museum Technicians and Conservators
- 25-4021 Librarians
- 25-4031 Library Technicians

### Other Education, Training, and Library Occupations

- 25-9011 Audio-Visual Collections Specialists

25-9021 Farm and Home Management Advisors  
25-9031 Instructional Coordinators  
25-9041 Teacher Assistants  
25-9099 Education, Training, and Library Workers, All Other

## **Arts, Design, Entertainment, Sports, and Media Occupations**

### **Art and Design Workers**

27-1011 Art Directors  
27-1012 Craft Artists  
27-1013 Fine Artists, Including Painters, Sculptors, and Illustrators  
27-1014 Multi-Media Artists and Animators  
27-1019 Artists and Related Workers, All Other  
27-1021 Commercial and Industrial Designers  
27-1022 Fashion Designers  
27-1023 Floral Designers  
27-1024 Graphic Designers  
27-1025 Interior Designers  
27-1026 Merchandise Displayers and Window Trimmers  
27-1027 Set and Exhibit Designers  
27-1029 Designers, All Other

### **Entertainers and Performers, Sports and Related Workers**

27-2011 Actors  
27-2012 Producers and Directors  
27-2021 Athletes and Sports Competitors  
27-2022 Coaches and Scouts  
27-2023 Umpires, Referees, and Other Sports Officials  
27-2031 Dancers  
27-2032 Choreographers  
27-2041 Music Directors and Composers  
27-2042 Musicians and Singers  
27-2099 Entertainers and Performers, Sports and Related Workers, All Other

### **Media and Communication Workers**

27-3011 Radio and Television Announcers  
27-3012 Public Address System and Other Announcers  
27-3021 Broadcast News Analysts  
27-3022 Reporters and Correspondents  
27-3031 Public Relations Specialists  
27-3041 Editors  
27-3042 Technical Writers  
27-3043 Writers and Authors  
27-3091 Interpreters and Translators  
27-3099 Media and Communication Workers, All Other



## Media and Communication Equipment Workers

27-4011	Audio and Video Equipment Technicians
27-4012	Broadcast Technicians
27-4013	Radio Operators
27-4014	Sound Engineering Technicians
27-4021	Photographers
27-4031	Camera Operators, Television, Video, and Motion Picture
27-4032	Film and Video Editors
27-4099	Media and Communication Equipment Workers, All Other

## Healthcare Practitioner and Technical Occupations

### Health Diagnosing and Treating Practitioners

29-1011	Chiropractors
29-1021	Dentists, General
29-1022	Oral and Maxillofacial Surgeons
29-1023	Orthodontists
29-1024	Prosthodontists
29-1029	Dentists, All Other Specialists
29-1031	Dietitians and Nutritionists
29-1041	Optometrists
29-1051	Pharmacists
29-1061	Anesthesiologists
29-1062	Family and General Practitioners
29-1063	Internists, General
29-1064	Obstetricians and Gynecologists
29-1065	Pediatricians, General
29-1066	Psychiatrists
29-1067	Surgeons
29-1069	Physicians and Surgeons, All Other
29-1071	Physician Assistants
29-1081	Podiatrists
29-1111	Registered Nurses
29-1121	Audiologists
29-1122	Occupational Therapists
29-1123	Physical Therapists
29-1124	Radiation Therapists
29-1125	Recreational Therapists
29-1126	Respiratory Therapists
29-1127	Speech-Language Pathologists
29-1129	Therapists, All Other
29-1131	Veterinarians
29-1155	Speech-Language Pathologists, Non R&D
29-1156	Speech-Language Pathologists, R&D
29-1199	Health Diagnosing and Treating Practitioners, All Other

### Health Technologists and Technicians

29-2011	Medical and Clinical Laboratory Technologists
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29-2012 Medical and Clinical Laboratory Technicians  
29-2021 Dental Hygienists  
29-2031 Cardiovascular Technologists and Technicians  
29-2032 Diagnostic Medical Sonographers  
29-2033 Nuclear Medicine Technologists  
29-2034 Radiologic Technologists and Technicians  
29-2041 Emergency Medical Technicians and Paramedics  
29-2051 Dietetic Technicians  
29-2052 Pharmacy Technicians  
29-2053 Psychiatric Technicians  
29-2054 Respiratory Therapy Technicians  
29-2055 Surgical Technologists  
29-2056 Veterinary Technologists and Technicians  
29-2061 Licensed Practical and Licensed Vocational Nurses  
29-2071 Medical Records and Health Information Technicians  
29-2081 Opticians, Dispensing  
29-2091 Orthotists and Prosthetists  
29-2099 Health Technologists and Technicians, All Other

### Other Healthcare Practitioners and Technical Occupations

29-9011 Occupational Health and Safety Specialists  
29-9012 Occupational Health and Safety Technicians  
29-9091 Athletic Trainers  
29-9099 Healthcare Practitioners and Technical Workers, All Other

## Healthcare Support Occupations

### Nursing, Psychiatric, and Home Health Aides

31-1011 Home Health Aides  
31-1012 Nursing Aides, Orderlies, and Attendants  
31-1013 Psychiatric Aides

### Occupational and Physical Therapist Assistants and Aides

31-2011 Occupational Therapist Assistants  
31-2012 Occupational Therapist Aides  
31-2021 Physical Therapist Assistants  
31-2022 Physical Therapist Aides

### Other Healthcare Support Occupations

31-9011 Massage Therapists  
31-9091 Dental Assistants  
31-9092 Medical Assistants  
31-9093 Medical Equipment Preparers  
31-9094 Medical Transcriptionists  
31-9095 Pharmacy Aides  
31-9096 Veterinary Assistants and Laboratory Animal Caretakers  
31-9099 Healthcare Support Workers, All Other

## **Protective Service Occupations**

### **First-Line Supervisors/Managers, Protective Service Workers**

- 33-1011 First-Line Supervisors/Managers of Correctional Officers
- 33-1012 First-Line Supervisors/Managers of Police and Detectives
- 33-1021 First-Line Supervisors/Managers of Fire Fighting and Prevention Workers
- 33-1099 First-Line Supervisors/Managers, Protective Service Workers, All Other

### **Fire Fighting and Prevention Workers**

- 33-2011 Fire Fighters
- 33-2021 Fire Inspectors and Investigators
- 33-2022 Forest Fire Inspectors and Prevention Specialists

### **Law Enforcement Workers**

- 33-3011 Bailiffs
- 33-3012 Correctional Officers and Jailers
- 33-3021 Detectives and Criminal Investigators
- 33-3031 Fish and Game Wardens
- 33-3041 Parking Enforcement Workers
- 33-3051 Police and Sheriff's Patrol Officers
- 33-3052 Transit and Railroad Police

### **Other Protective Service Workers**

- 33-9011 Animal Control Workers
- 33-9021 Private Detectives and Investigators
- 33-9031 Gaming Surveillance Officers and Gaming Investigators
- 33-9032 Security Guards
- 33-9091 Crossing Guards
- 33-9092 Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers
- 33-9099 Protective Service Workers, All Other

## **Food Preparation and Serving Related Occupations**

### **Supervisors, Food Preparation and Serving Workers**

- 35-1011 Chefs and Head Cooks
- 35-1012 First-Line Supervisors/Managers of Food Preparation and Serving Workers

### **Cooks and Food Preparation Workers**

- 35-2011 Cooks, Fast Food
- 35-2012 Cooks, Institution and Cafeteria
- 35-2013 Cooks, Private Household
- 35-2014 Cooks, Restaurant
- 35-2015 Cooks, Short Order

35-2019 Cooks, All Other  
35-2021 Food Preparation Workers

### Food and Beverage Serving Workers

35-3011 Bartenders  
35-3021 Combined Food Preparation and Serving Workers, Including Fast Food  
35-3022 Counter Attendants, Cafeteria, Food Concession, and Coffee Shop  
35-3031 Waiters and Waitresses  
35-3041 Food Servers, Nonrestaurant

### Other Food Preparation and Serving Related Workers

35-9011 Dining Room and Cafeteria Attendants and Bartender Helpers  
35-9021 Dishwashers  
35-9031 Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop  
35-9099 Food Preparation and Serving Related Workers, All Other

## **Building and Grounds Cleaning and Maintenance Occupations**

### Supervisors, Building and Grounds Cleaning and Maintenance Workers

37-1011 First-Line Supervisors/Managers of Housekeeping and Janitorial Workers  
37-1012 First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers

### Building Cleaning and Pest Control Workers

37-2011 Janitors and Cleaners, Except Maids and Housekeeping Cleaners  
37-2012 Maids and Housekeeping Cleaners  
37-2019 Building Cleaning Workers, All Other  
37-2021 Pest Control Workers

### Grounds Maintenance Workers

37-3011 Landscaping and Groundskeeping Workers  
37-3012 Pesticide Handlers, Sprayers, and Applicators, Vegetation  
37-3013 Tree Trimmers and Pruners  
37-3019 Grounds Maintenance Workers, All Other

## **Personal Care and Service Occupations**

### Supervisors, Personal Care and Service Workers

39-1011 Gaming Supervisors  
39-1012 Slot Key Persons  
39-1021 First-Line Supervisors/Managers of Personal Service Workers

## Animal Care and Service Workers

- 39-2011 Animal Trainers
- 39-2021 Nonfarm Animal Caretakers

## Entertainment Attendants and Related Workers

- 39-3011 Gaming Dealers
- 39-3012 Gaming and Sports Book Writers and Runners
- 39-3019 Gaming Service Workers, All Other
- 39-3021 Motion Picture Projectionists
- 39-3031 Ushers, Lobby Attendants, and Ticket Takers
- 39-3091 Amusement and Recreation Attendants
- 39-3092 Costume Attendants
- 39-3093 Locker Room, Coatroom, and Dressing Room Attendants
- 39-3099 Entertainment Attendants and Related Workers, All Other

## Funeral Service Workers

- 39-4011 Embalmers
- 39-4021 Funeral Attendants

## Personal Appearance Workers

- 39-5011 Barbers
- 39-5012 Hairdressers, Hairstylists, and Cosmetologists
- 39-5091 Makeup Artists, Theatrical and Performance
- 39-5092 Manicurists and Pedicurists
- 39-5093 Shampooers
- 39-5094 Skin Care Specialists

## Transportation, Tourism, and Lodging Attendants

- 39-6011 Baggage Porters and Bellhops
- 39-6012 Concierges
- 39-6021 Tour Guides and Escorts
- 39-6022 Travel Guides
- 39-6031 Flight Attendants
- 39-6032 Transportation Attendants, Except Flight Attendants and Baggage Porters

## Other Personal Care and Service Workers

- 39-9011 Child Care Workers
- 39-9021 Personal and Home Care Aides
- 39-9031 Fitness Trainers and Aerobics Instructors
- 39-9032 Recreation Workers
- 39-9041 Residential Advisors
- 39-9099 Personal Care and Service Workers, All Other

## **Sales and Related Occupations**

### **Supervisors, Sales Workers**

- 41-1011 First-Line Supervisors/Managers of Retail Sales Workers
- 41-1012 First-Line Supervisors/Managers of Non-Retail Sales Workers

### **Retail Sales Workers**

- 41-2011 Cashiers
- 41-2012 Gaming Change Persons and Booth Cashiers
- 41-2021 Counter and Rental Clerks
- 41-2022 Parts Salespersons
- 41-2031 Retail Salespersons

### **Sales Representatives, Services**

- 41-3011 Advertising Sales Agents
- 41-3021 Insurance Sales Agents
- 41-3031 Securities, Commodities, and Financial Services Sales Agents
- 41-3041 Travel Agents
- 41-3099 Sales Representatives, Services, All Other

### **Sales Representatives, Wholesale and Manufacturing**

- 41-4011 Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
- 41-4012 Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products

### **Other Sales and Related Workers**

- 41-9011 Demonstrators and Product Promoters
- 41-9012 Models
- 41-9021 Real Estate Brokers
- 41-9022 Real Estate Sales Agents
- 41-9031 Sales Engineers
- 41-9041 Telemarketers
- 41-9091 Door-to-Door Sales Workers, News and Street Vendors, and Related Workers
- 41-9099 Sales and Related Workers, All Other

## **Office and Administrative Support Occupations**

- 43-1011 First-Line Supervisors/Managers of Office and Administrative Support Workers

### **Communications Equipment Operators**

- 43-2011 Switchboard Operators, Including Answering Service
- 43-2021 Telephone Operators
- 43-2099 Communications Equipment Operators, All Other

## Financial Clerks

43-3011	Bill and Account Collectors
43-3021	Billing and Posting Clerks and Machine Operators
43-3031	Bookkeeping, Accounting, and Auditing Clerks
43-3041	Gaming Cage Workers
43-3051	Payroll and Timekeeping Clerks
43-3061	Procurement Clerks
43-3071	Tellers

## Information and Record Clerks

43-4011	Brokerage Clerks
43-4021	Correspondence Clerks
43-4031	Court, Municipal, and License Clerks
43-4041	Credit Authorizers, Checkers, and Clerks
43-4051	Customer Service Representatives
43-4061	Eligibility Interviewers, Government Programs
43-4071	File Clerks
43-4081	Hotel, Motel, and Resort Desk Clerks
43-4111	Interviewers, Except Eligibility and Loan
43-4121	Library Assistants, Clerical
43-4131	Loan Interviewers and Clerks
43-4141	New Accounts Clerks
43-4151	Order Clerks
43-4161	Human Resources Assistants, Except Payroll and Timekeeping
43-4171	Receptionists and Information Clerks
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks
43-4199	Information and Record Clerks, All Other

## Material Recording, Scheduling, Dispatching, and Distributing Workers

43-5011	Cargo and Freight Agents
43-5021	Couriers and Messengers
43-5031	Police, Fire, and Ambulance Dispatchers
43-5032	Dispatchers, Except Police, Fire, and Ambulance
43-5041	Meter Readers, Utilities
43-5051	Postal Service Clerks
43-5052	Postal Service Mail Carriers
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators
43-5061	Production, Planning, and Expediting Clerks
43-5071	Shipping, Receiving, and Traffic Clerks
43-5081	Stock Clerks and Order Fillers
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping

## Secretaries and Administrative Assistants

43-6011	Executive Secretaries and Administrative Assistants
43-6012	Legal Secretaries
43-6013	Medical Secretaries

43-6014 Secretaries, Except Legal, Medical, and Executive

### **Other Office and Administrative Support Workers**

43-9011 Computer Operators  
43-9021 Data Entry Keyers  
43-9022 Word Processors and Typists  
43-9031 Desktop Publishers  
43-9041 Insurance Claims and Policy Processing Clerks  
43-9051 Mail Clerks and Mail Machine Operators, Except Postal Service  
43-9061 Office Clerks, General  
43-9071 Office Machine Operators, Except Computer  
43-9081 Proofreaders and Copy Markers  
43-9111 Statistical Assistants  
43-9199 Office and Administrative Support Workers, All Other

## **Farming, Fishing, and Forestry Occupations**

### **Supervisors, Farming, Fishing, and Forestry Workers**

45-1011 First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers  
45-1012 Farm Labor Contractors

### **Agricultural Workers**

45-2011 Agricultural Inspectors  
45-2021 Animal Breeders  
45-2041 Graders and Sorters, Agricultural Products  
45-2091 Agricultural Equipment Operators  
45-2092 Farmworkers and Laborers, Crop, Nursery, and Greenhouse  
45-2093 Farmworkers, Farm and Ranch Animals  
45-2099 Agricultural Workers, All Other

## **Fishing and Hunting Workers**

45-3011 Fishers and Related Fishing Workers  
45-3021 Hunters and Trappers

### **Forest, Conservation, and Logging Workers**

45-4011 Forest and Conservation Workers  
45-4021 Fallers  
45-4022 Logging Equipment Operators  
45-4023 Log Graders and Scalers  
45-4029 Logging Workers, All Other

## **Construction and Extraction Occupations**

47-1011 First-Line Supervisors/Managers of Construction Trades and Extraction Workers



## Construction Trades Workers

47-2011	Boilermakers
47-2021	Brickmasons and Blockmasons
47-2022	Stonemasons
47-2031	Carpenters
47-2041	Carpet Installers
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles
47-2043	Floor Sanders and Finishers
47-2044	Tile and Marble Setters
47-2051	Cement Masons and Concrete Finishers
47-2053	Terrazzo Workers and Finishers
47-2061	Construction Laborers
47-2071	Paving, Surfacing, and Tamping Equipment Operators
47-2072	Pile-Driver Operators
47-2073	Operating Engineers and Other Construction Equipment Operators
47-2081	Drywall and Ceiling Tile Installers
47-2082	Tapers
47-2111	Electricians
47-2121	Glaziers
47-2131	Insulation Workers, Floor, Ceiling, and Wall
47-2132	Insulation Workers, Mechanical
47-2141	Painters, Construction and Maintenance
47-2142	Paperhangers
47-2151	Pipelayers
47-2152	Plumbers, Pipefitters, and Steamfitters
47-2161	Plasterers and Stucco Masons
47-2171	Reinforcing Iron and Rebar Workers
47-2181	Roofers
47-2211	Sheet Metal Workers
47-2221	Structural Iron and Steel Workers

## Helpers, Construction Trades

47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters
47-3012	Helpers--Carpenters
47-3013	Helpers--Electricians
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters
47-3016	Helpers--Roofers
47-3019	Helpers, Construction Trades, All Other

## Other Construction and Related Workers

47-4011	Construction and Building Inspectors
47-4021	Elevator Installers and Repairers
47-4031	Fence Erectors
47-4041	Hazardous Materials Removal Workers
47-4051	Highway Maintenance Workers
47-4061	Rail-Track Laying and Maintenance Equipment Operators
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners

47-4091 Segmental Pavers  
47-4099 Construction and Related Workers, All Other

### Extraction Workers

47-5011 Derrick Operators, Oil and Gas  
47-5012 Rotary Drill Operators, Oil and Gas  
47-5013 Service Unit Operators, Oil, Gas, and Mining  
47-5021 Earth Drillers, Except Oil and Gas  
47-5031 Explosives Workers, Ordnance Handling Experts, and Blasters  
47-5041 Continuous Mining Machine Operators  
47-5042 Mine Cutting and Channeling Machine Operators  
47-5049 Mining Machine Operators, All Other  
47-5051 Rock Splitters, Quarry  
47-5061 Roof Bolters, Mining  
47-5071 Roustabouts, Oil and Gas  
47-5081 Helpers--Extraction Workers  
47-5099 Extraction Workers, All Other

## Installation, Maintenance, and Repair Occupations

49-1011 First-Line Supervisors/Managers of Mechanics, Installers, and Repairers

### Electrical and Electronic Equipment Mechanics, Installers, and Repairers

49-2011 Computer, Automated Teller, and Office Machine Repairers  
49-2021 Radio Mechanics  
49-2022 Telecommunications Equipment Installers and Repairers, Except Line Installers  
49-2091 Avionics Technicians  
49-2092 Electric Motor, Power Tool, and Related Repairers  
49-2093 Electrical and Electronics Installers and Repairers, Transportation Equipment  
49-2094 Electrical and Electronics Repairers, Commercial and Industrial Equipment  
49-2095 Electrical and Electronics Repairers, Powerhouse, Substation, and Relay  
49-2096 Electronic Equipment Installers and Repairers, Motor Vehicles  
49-2097 Electronic Home Entertainment Equipment Installers and Repairers  
49-2098 Security and Fire Alarm Systems Installers

### Vehicle and Mobile Equipment Mechanics, Installers, and Repairers

49-3012 Aircraft Mechanics and Service Technicians, FAA Certified  
49-3013 Aircraft Mechanics and Service Technicians, not FAA Certified  
49-3021 Automotive Body and Related Repairers  
49-3022 Automotive Glass Installers and Repairers  
49-3023 Automotive Service Technicians and Mechanics  
49-3031 Bus and Truck Mechanics and Diesel Engine Specialists  
49-3041 Farm Equipment Mechanics  
49-3042 Mobile Heavy Equipment Mechanics, Except Engines  
49-3043 Rail Car Repairers  
49-3051 Motorboat Mechanics  
49-3052 Motorcycle Mechanics

49-3053 Outdoor Power Equipment and Other Small Engine Mechanics  
49-3091 Bicycle Repairers  
49-3092 Recreational Vehicle Service Technicians  
49-3093 Tire Repairers and Changers

### Other Installation, Maintenance, and Repair Occupations

49-9011 Mechanical Door Repairers  
49-9012 Control and Valve Installers and Repairers, Except Mechanical Door  
49-9021 Heating, Air Conditioning, and Refrigeration Mechanics and Installers  
49-9031 Home Appliance Repairers  
49-9041 Industrial Machinery Mechanics  
49-9042 Maintenance and Repair Workers, General  
49-9043 Maintenance Workers, Machinery  
49-9044 Millwrights  
49-9045 Refractory Materials Repairers, Except Brickmasons  
49-9051 Electrical Power-Line Installers and Repairers  
49-9052 Telecommunications Line Installers and Repairers  
49-9061 Camera and Photographic Equipment Repairers  
49-9062 Medical Equipment Repairers  
49-9063 Musical Instrument Repairers and Tuners  
49-9064 Watch Repairers  
49-9069 Precision Instrument and Equipment Repairers, All Other  
49-9091 Coin, Vending, and Amusement Machine Servicers and Repairers  
49-9092 Commercial Divers  
49-9093 Fabric Menders, Except Garment  
49-9094 Locksmiths and Safe Repairers  
49-9095 Manufactured Building and Mobile Home Installers  
49-9096 Riggers  
49-9097 Signal and Track Switch Repairers  
49-9098 Helpers--Installation, Maintenance, and Repair Workers  
49-9099 Installation, Maintenance, and Repair Workers, All Other

## Production Occupations

51-1011 First-Line Supervisors/Managers of Production and Operating Workers

### Assemblers and Fabricators

51-2011 Aircraft Structure, Surfaces, Rigging, and Systems Assemblers  
51-2021 Coil Winders, Tapers, and Finishers  
51-2022 Electrical and Electronic Equipment Assemblers  
51-2023 Electromechanical Equipment Assemblers  
51-2031 Engine and Other Machine Assemblers  
51-2041 Structural Metal Fabricators and Fitters  
51-2091 Fiberglass Laminators and Fabricators  
51-2092 Team Assemblers  
51-2093 Timing Device Assemblers, Adjusters, and Calibrators  
51-2099 Assemblers and Fabricators, All Other

### Food Processing Workers

- 51-3011 Bakers
- 51-3021 Butchers and Meat Cutters
- 51-3022 Meat, Poultry, and Fish Cutters and Trimmers
- 51-3023 Slaughterers and Meat Packers
- 51-3091 Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders
- 51-3092 Food Batchmakers
- 51-3093 Food Cooking Machine Operators and Tenders

## Metal Workers and Plastic Workers

- 51-4011 Computer-Controlled Machine Tool Operators, Metal and Plastic
- 51-4012 Numerical Tool and Process Control Programmers
- 51-4021 Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4022 Forging Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4023 Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4031 Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
- 51-4033 Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
- 51-4034 Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic
- 51-4035 Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4041 Machinists
- 51-4051 Metal-Refining Furnace Operators and Tenders
- 51-4052 Pourers and Casters, Metal
- 51-4061 Model Makers, Metal and Plastic
- 51-4062 Patternmakers, Metal and Plastic
- 51-4071 Foundry Mold and Coremakers
- 51-4072 Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4081 Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
- 51-4111 Tool and Die Makers
- 51-4121 Welders, Cutters, Solderers, and Brazers
- 51-4122 Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
- 51-4191 Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
- 51-4192 Lay-Out Workers, Metal and Plastic
- 51-4193 Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4194 Tool Grinders, Filers, and Sharpeners
- 51-4199 Metal Workers and Plastic Workers, All Other

## Printing Workers

- 51-5011 Bindery Workers
- 51-5012 Bookbinders
- 51-5021 Job Printers
- 51-5022 Prepress Technicians and Workers
- 51-5023 Printing Machine Operators

## Textile, Apparel, and Furnishings Workers

51-6011 Laundry and Dry-Cleaning Workers  
51-6021 Pressers, Textile, Garment, and Related Materials  
51-6031 Sewing Machine Operators  
51-6041 Shoe and Leather Workers and Repairers  
51-6042 Shoe Machine Operators and Tenders  
51-6051 Sewers, Hand  
51-6052 Tailors, Dressmakers, and Custom Sewers  
51-6061 Textile Bleaching and Dyeing Machine Operators and Tenders  
51-6062 Textile Cutting Machine Setters, Operators, and Tenders  
51-6063 Textile Knitting and Weaving Machine Setters, Operators, and Tenders  
51-6064 Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders  
51-6091 Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers  
51-6092 Fabric and Apparel Patternmakers  
51-6093 Upholsterers  
51-6099 Textile, Apparel, and Furnishings Workers, All Other

### Woodworkers

51-7011 Cabinetmakers and Bench Carpenters  
51-7021 Furniture Finishers  
51-7031 Model Makers, Wood  
51-7032 Patternmakers, Wood  
51-7041 Sawing Machine Setters, Operators, and Tenders, Wood  
51-7042 Woodworking Machine Setters, Operators, and Tenders, Except Sawing  
51-7099 Woodworkers, All Other

### Plant and System Operators

51-8011 Nuclear Power Reactor Operators  
51-8012 Power Distributors and Dispatchers  
51-8013 Power Plant Operators  
51-8021 Stationary Engineers and Boiler Operators  
51-8031 Water and Liquid Waste Treatment Plant and System Operators  
51-8091 Chemical Plant and System Operators  
51-8092 Gas Plant Operators  
51-8093 Petroleum Pump System Operators, Refinery Operators, and Gaugers  
51-8099 Plant and System Operators, All Other

### Other Production Occupations

51-9011 Chemical Equipment Operators and Tenders  
51-9012 Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders  
51-9021 Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders  
51-9022 Grinding and Polishing Workers, Hand  
51-9023 Mixing and Blending Machine Setters, Operators, and Tenders  
51-9031 Cutters and Trimmers, Hand  
51-9032 Cutting and Slicing Machine Setters, Operators, and Tenders

51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers
51-9071	Jewelers and Precious Stone and Metal Workers
51-9081	Dental Laboratory Technicians
51-9082	Medical Appliance Technicians
51-9083	Ophthalmic Laboratory Technicians
51-9111	Packaging and Filling Machine Operators and Tenders
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders
51-9122	Painters, Transportation Equipment
51-9123	Painting, Coating, and Decorating Workers
51-9131	Photographic Process Workers
51-9132	Photographic Processing Machine Operators
51-9141	Semiconductor Processors
51-9191	Cementing and Gluing Machine Operators and Tenders
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders
51-9193	Cooling and Freezing Equipment Operators and Tenders
51-9194	Etchers and Engravers
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic
51-9196	Paper Goods Machine Setters, Operators, and Tenders
51-9197	Tire Builders
51-9198	Helpers--Production Workers
51-9199	Production Workers, All Other

## **Transportation and Material Moving Occupations**

### **Supervisors, Transportation and Material Moving Workers**

53-1011	Aircraft Cargo Handling Supervisors
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators

### **Air Transportation Workers**

53-2011	Airline Pilots, Copilots, and Flight Engineers
53-2012	Commercial Pilots
53-2021	Air Traffic Controllers
53-2022	Airfield Operations Specialists

### **Motor Vehicle Operators**

53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians
53-3021	Bus Drivers, Transit and Intercity
53-3022	Bus Drivers, School
53-3031	Driver/Sales Workers
53-3032	Truck Drivers, Heavy and Tractor-Trailer
53-3033	Truck Drivers, Light or Delivery Services
53-3041	Taxi Drivers and Chauffeurs
53-3099	Motor Vehicle Operators, All Other

## Rail Transportation Workers

53-4011	Locomotive Engineers
53-4012	Locomotive Firers
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers
53-4021	Railroad Brake, Signal, and Switch Operators
53-4031	Railroad Conductors and Yardmasters
53-4041	Subway and Streetcar Operators
53-4099	Rail Transportation Workers, All Other

## Water Transportation Workers

53-5011	Sailors and Marine Oilers
53-5021	Captains, Mates, and Pilots of Water Vessels
53-5022	Motorboat Operators
53-5031	Ship Engineers

## Other Transportation Workers

53-6011	Bridge and Lock Tenders
53-6021	Parking Lot Attendants
53-6031	Service Station Attendants
53-6041	Traffic Technicians
53-6051	Transportation Inspectors
53-6099	Transportation Workers, All Other

## Material Moving Workers

53-7011	Conveyor Operators and Tenders
53-7021	Crane and Tower Operators
53-7031	Dredge Operators
53-7032	Excavating and Loading Machine and Dragline Operators
53-7033	Loading Machine Operators, Underground Mining
53-7041	Hoist and Winch Operators
53-7051	Industrial Truck and Tractor Operators
53-7061	Cleaners of Vehicles and Equipment
53-7062	Laborers and Freight, Stock, and Material Movers, Hand
53-7063	Machine Feeders and Offbearers
53-7064	Packers and Packagers, Hand
53-7071	Gas Compressor and Gas Pumping Station Operators
53-7072	Pump Operators, Except Wellhead Pumpers
53-7073	Wellhead Pumpers
53-7081	Refuse and Recyclable Material Collectors
53-7111	Shuttle Car Operators
53-7121	Tank Car, Truck, and Ship Loaders
53-7199	Material Moving Workers, All Other